

# MO20 Multi-Turn Wirewound Potentiometer



For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)

**Series MO20 potentiometers feature 5 or 10-Turn Wirewound elements in an Oil-Filled Metal Housing.**

## Features

- Wirewound Element
- Available as 5 or 10 turn models
- Metal Housing.
- Stainless steel shaft, brass bushing
- Glass headers on terminals
- Servo mount optional

## Electrical Specifications

Resistance Range: 1K to 100K ohms standard  
Resistance Tolerance:  $\pm 5\%$   
Independent Linearity:  $\pm .25\%$   
Electrical Angle:  
10 Turn:  $3600^\circ \pm 5^\circ$   
5 Turn:  $1800^\circ \pm 5^\circ$   
Power Rating:  
10 Turn: 2 watts  
5 Turn: 1 watt  
Insulation Resistance: 100 Megohms@500VDC  
Dielectric Strength: 1,000 VAC

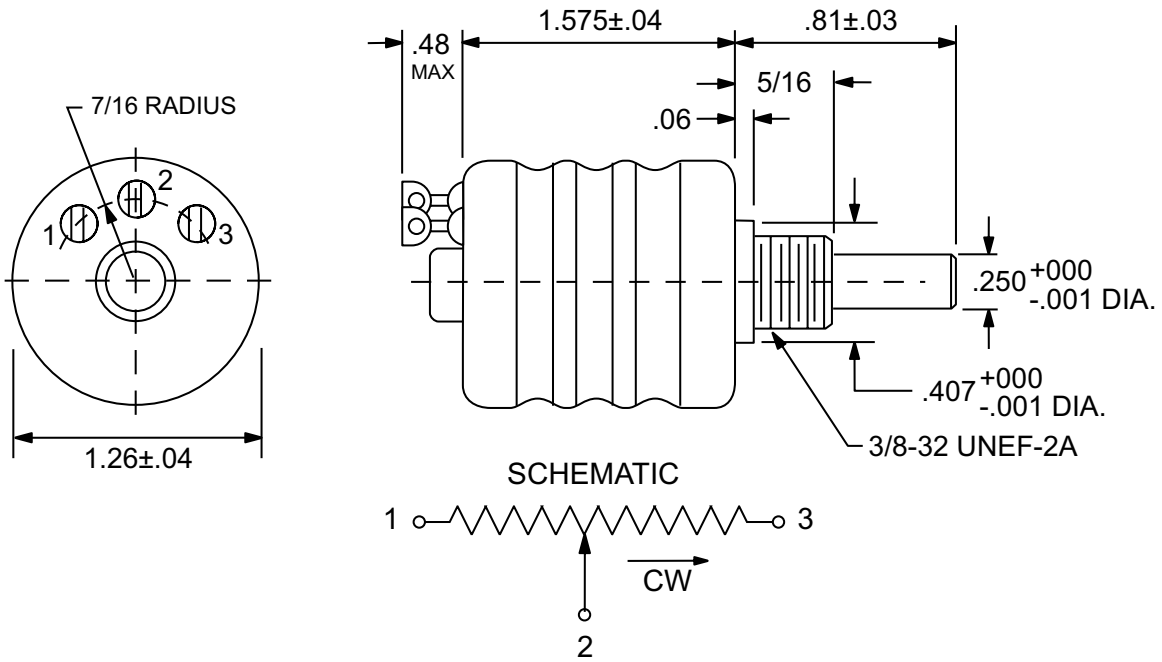
## Mechanical Specifications

Mechanical Rotation:  
10 Turn:  $3600^\circ +10^\circ -0^\circ$   
5 Turn:  $1800^\circ +10^\circ -0^\circ$   
Starting Torque: 5.0 oz. in. Max  
Weight: 4 oz. (approx.)  
Rotational Life:  
10 Turn: 10,000,000 revolutions  
5 Turn: 5,000,000 revolutions

## Environmental Specifications

Operating Temperature:  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$   
Vibration: 10HZ to 2,000HZ 15G  
Shock: 30G 11ms  
Moisture Resistance:  $40^\circ\text{C}$  95%RH 120 Hours

# MO20 Multi-Turn Wirewound Potentiometer



## Ordering Information

Example Part Number: **MO20-10-10K**

MO20	B	10	10K
<b>Model</b>	<b>Mount</b>	<b>Turns</b>	<b>Resistance</b>
<b>MO20</b>	<b>B</b> = Bushing <b>S</b> = Servo	<b>10</b> = 10 Turns <b>5</b> = 5 Turns	<b>100</b> = 100 ohms <b>200</b> = 200 ohms <b>500</b> = 500 ohms <b>1K</b> = 1K ohms <b>2K</b> = 2K ohms <b>5K</b> = 5K ohms <b>10K</b> = 10K ohms <b>20K</b> = 20K ohms <b>50K</b> = 50K ohms <b>100K</b> = 100K ohms

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